

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/IB2004/050919

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02M3/335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M H05B G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 433 491 B2 (HALBERSTADT JOHAN CHRISTIAAN) 13 August 2002 (2002-08-13) cited in the application column 8, line 23 - line 30; figure 4	1,2
A	US 5 696 431 A (VELDMAN PAUL R ET AL) 9 December 1997 (1997-12-09) column 15; figure 2	1,2
A	DE 44 22 399 A (ABB MANAGEMENT AG) 4 January 1996 (1996-01-04) the whole document	4-6
A	US 5 663 874 A (MADER URS HARALD ET AL) 2 September 1997 (1997-09-02) figure 2	8,9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

14 October 2004

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22/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Imbernon, L

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Int'l Application No
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US 5663874	A	02-09-1997	NONE	